



Replacement Drawings

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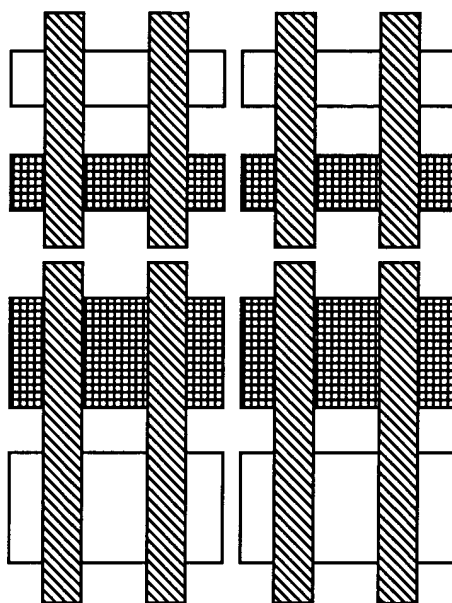
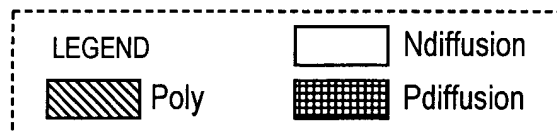
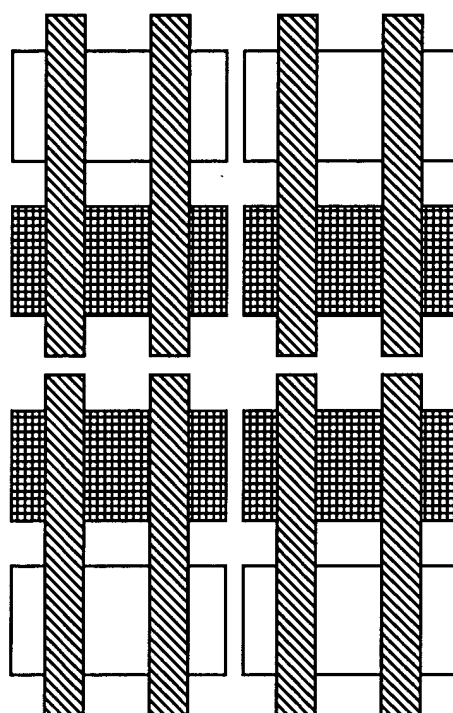
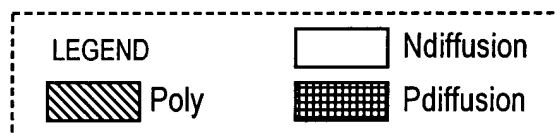


FIG. 1



Replacement Drawings

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Traditional Approach

FIG. 2



Replacement Drawings

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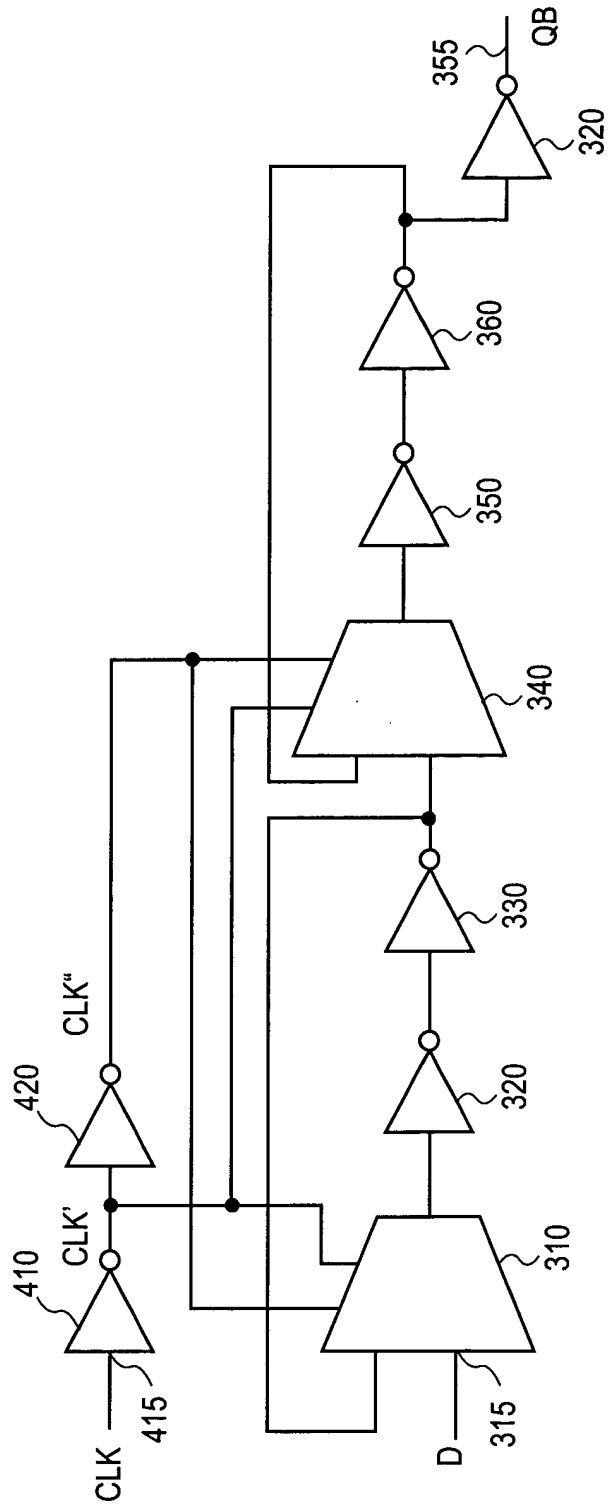


FIG. 3



Replacement Drawings

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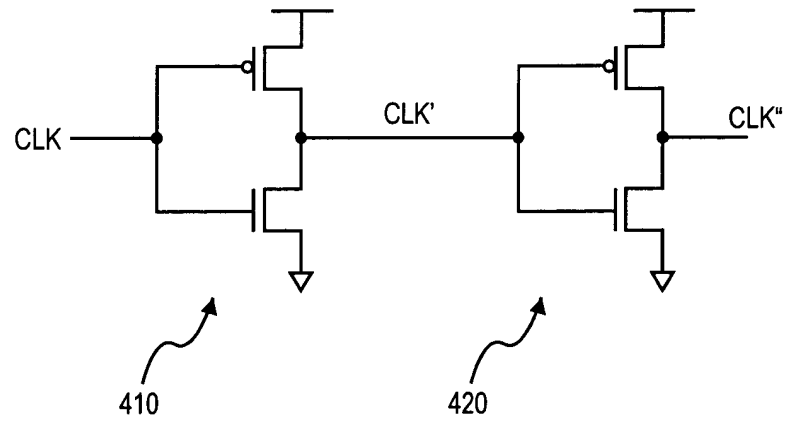
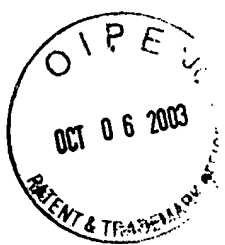


FIG. 4



Replacement Drawings

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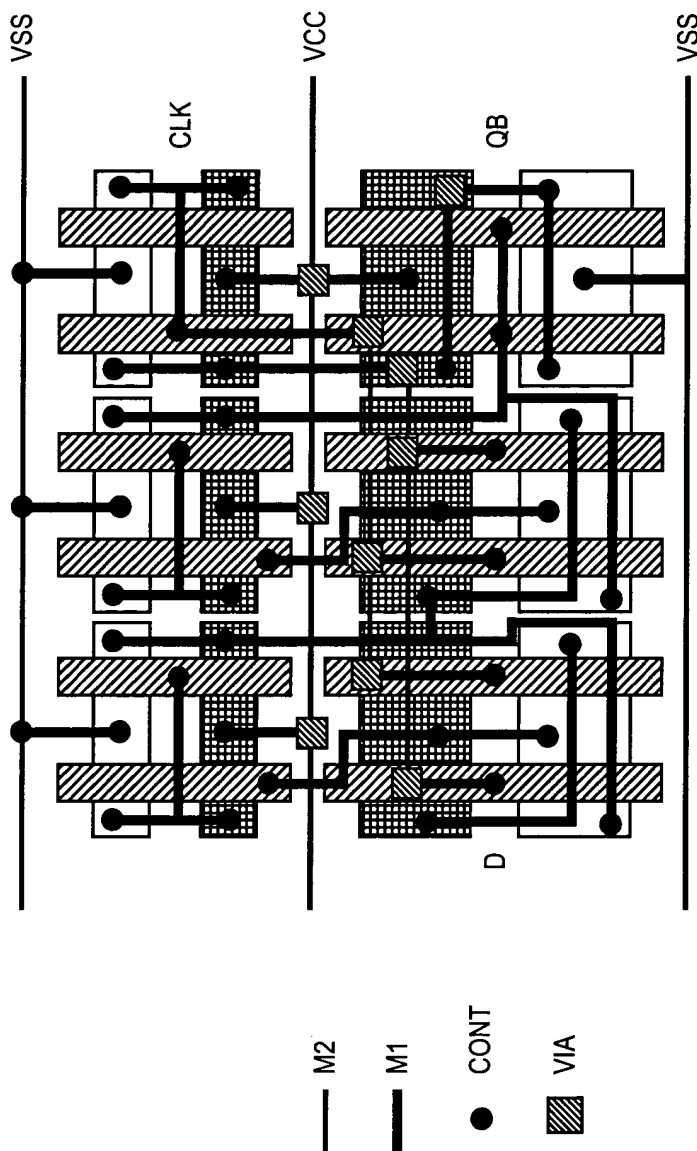


FIG. 5

Replacement Drawings

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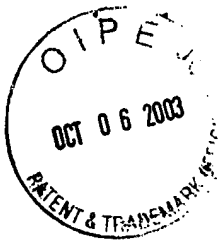


Table 1

Name	Clock Pin Power	Notes
Capacitance Improved	0.06 pJ	FIG. 2
Si Arc	0.13 pJ	SiArc CBA
Traditional	0.15 pJ	FIG. 2

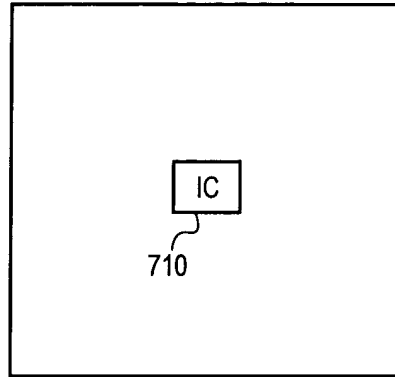
pJ = pico joules

FIG. 6



Replacement Drawings

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FIG. 7